

| L Number | Hits  | Search Text                                                                                                                                                                 | DB                                                      | Time stamp       |
|----------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------|
| 30       | 1     | ("6632114").PN.                                                                                                                                                             | USPAT                                                   | 2004/06/14 09:31 |
| -        | 1079  | (313/309).CCLS.                                                                                                                                                             | USPAT                                                   | 2004/06/10 14:30 |
| -        | 185   | ((313/309).CCLS.) and nano\$                                                                                                                                                | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/24 16:31 |
| -        | 567   | ((313/309).CCLS.) and (resist\$5 or "amorphous silicon")                                                                                                                    | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/24 16:32 |
| -        | 1079  | (313/309).CCLS.                                                                                                                                                             | USPAT                                                   | 2003/04/25 08:15 |
| -        | 4     | ("5229682"   "5401676"   "6008063"   "6028322").PN.                                                                                                                         | USPAT                                                   | 2003/04/25 06:37 |
| -        | 700   | ((313/309).CCLS.) and (field adj emission)                                                                                                                                  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/25 08:32 |
| -        | 173   | ((313/309).CCLS.) and (field adj emission) and nano\$                                                                                                                       | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/25 08:37 |
| -        | 2     | ("6097138"   "6339281").PN.                                                                                                                                                 | USPAT                                                   | 2003/04/25 08:35 |
| -        | 6     | ("5747926"   "5773921"   "5786656"   "5818153"   "5831378"   "5973444").PN.                                                                                                 | USPAT                                                   | 2003/04/25 08:35 |
| -        | 4     | ("5773834"   "5973444"   "6062931"   "6097138").PN.                                                                                                                         | USPAT                                                   | 2003/04/25 08:36 |
| -        | 34326 | choi.in.                                                                                                                                                                    | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/25 08:39 |
| -        | 6     | choi.in. and 313/\$.ccls. and (field adj emitter)                                                                                                                           | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/25 08:40 |
| -        | 1     | cha.in. and 313/\$.ccls. and (field adj emitter)                                                                                                                            | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/25 08:41 |
| -        | 45    | lee.in. and 313/\$.ccls. and (field adj emitter)                                                                                                                            | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/25 10:26 |
| -        | 14    | ("5583393"   "5773921"   "5872422"   "5973444"   "6057637"   "6097138"   "6250984"   "6278231"   "6283812"   "6286226"   "6297063"   "6297592"   "6322713"   "6340822").PN. | USPAT                                                   | 2003/04/25 08:45 |
| -        | 3     | ("5697827"   "5726524"   "5764004").PN.                                                                                                                                     | USPAT                                                   | 2003/04/25 09:01 |
| -        | 6     | ("5578901"   "5726524"   "5760536"   "5872422"   "6218771"   "6231980").PN.                                                                                                 | USPAT                                                   | 2003/04/25 09:01 |
| -        | 4     | ("4041346"   "4301369"   "5395774"   "5583393").PN.                                                                                                                         | USPAT                                                   | 2003/04/25 09:04 |
| -        | 0     | 6455989.URPN.                                                                                                                                                               | USPAT                                                   | 2003/04/25 09:31 |
| -        | 4     | ("5773834"   "5973444"   "6062931"   "6097138").PN.                                                                                                                         | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/25 10:26 |
| -        | 1669  | 313/336                                                                                                                                                                     | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/10/29 19:05 |
| -        | 897   | 313/336.ccls.                                                                                                                                                               | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB |                  |

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| - | 2     | ("6097138").PN.                                                                                                                                                                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/25 11:04 |
| - | 17    | 6097138.URPN.                                                                                                                                                                     | USPAT                                                   | 2003/04/25 10:26 |
| - | 14    | ("5583393"   "5773921"   "5872422"   "5973444"   "6057637"  <br>"6097138"   "6250984"   "6278231"   "6283812"   "6286226"  <br>"6297063"   "6297592"   "6322713"   "6340822").PN. | USPAT                                                   | 2003/04/25 10:26 |
| - | 4     | ("6097138"   "6239547"   "6339281"   "6250984").PN.                                                                                                                               | USPAT                                                   | 2003/04/25 10:26 |
| - | 2     | ("6097138"   "6339281").PN.                                                                                                                                                       | USPAT                                                   | 2003/04/25 10:27 |
| - | 9     | ("5731228"   "5773834"   "5773921"   "5872422"   "5969362"  <br>"5973444"   "6023060"   "6097138"   "6130429"  <br>"2001/0019238").PN.                                            | USPAT                                                   | 2003/04/25 10:27 |
| - | 5     | ("6097138"   "6146230"   "6339281"   "6359383"  <br>"6414444").PN.                                                                                                                | USPAT                                                   | 2003/04/25 10:28 |
| - | 11    | ("5777427"   "5847495"   "5902838"   "6023124"   "6097138"  <br>"6146227"   "6213834"   "6270398"   "6334803"   "6184610"  <br>"6184612").PN.                                     | USPAT                                                   | 2003/04/25 10:29 |
| - | 12    | ("5266530"   "5462467"   "5564959"   "5578185"   "5665421"  <br>"5801477"   "5851669"   "6019658"   "6045678"   "6084245"  <br>"6097138"   "6333598").PN.                         | USPAT                                                   | 2003/04/25 10:29 |
| - | 13    | ("5773921"   "5853877"   "5855828"   "5909585"   "5948465"  <br>"5973444"   "6097138"   "6221154"   "6239547"   "6248248"  <br>"6250984"   "6299812"   "6315956").PN.             | USPAT                                                   | 2003/04/25 10:30 |
| - | 12    | ("5616368"   "5726524"   "5973444"   "6019656"   "6020677"  <br>"6057637"   "6097138"   "6146230"   "6239547"   "6250984"  <br>"6277318"   "6283812"   "2001/0007783").PN.        | USPAT                                                   | 2003/04/25 10:30 |
| - | 7     | ("5280169"   "5391329"   "5640705"   "5741442"   "5773706"  <br>"5805326"   "6097138").PN.                                                                                        | USPAT                                                   | 2003/04/25 10:30 |
| - | 800   | (313/351).CCLS.                                                                                                                                                                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/25 11:04 |
| - | 1035  | (313/495).CCLS.                                                                                                                                                                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/25 11:04 |
| - | 1118  | (313/309).CCLS.                                                                                                                                                                   | USPAT                                                   | 2003/10/29 19:01 |
| - | 16670 | (fed or (field adj emit\$)) and nano\$                                                                                                                                            | USPAT                                                   | 2003/10/29 19:02 |
| - | 795   | 313/336.ccls.                                                                                                                                                                     | USPAT                                                   | 2003/10/29 19:06 |
| - | 290   | 313/336.ccls. not ((313/309).CCLS.)                                                                                                                                               | USPAT                                                   | 2003/10/29 19:07 |
| - | 790   | (313/351).CCLS.                                                                                                                                                                   | USPAT                                                   | 2003/10/29 19:08 |
| - | 222   | ((313/351).CCLS.) not (((313/309).CCLS.) or 313/336.ccls.)                                                                                                                        | USPAT                                                   | 2003/10/29 19:08 |
| - | 895   | (313/495).CCLS.                                                                                                                                                                   | USPAT                                                   | 2003/10/29 19:09 |
| - | 586   | ((313/495).CCLS.) not (((313/309).CCLS.) or 313/336.ccls. or<br>((313/351).CCLS.))                                                                                                | USPAT                                                   | 2003/10/29 19:09 |
| - | 19    | choi.in. and (field adj (emission or emitter)) and cha.in.                                                                                                                        | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/10/30 09:16 |
| - | 88    | choi.in. and (field adj (emission or emitter)) and lee.in.                                                                                                                        | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/10/30 09:04 |
| - | 228   | choi.in. and (field adj (emission or emitter))                                                                                                                                    | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/10/30 09:09 |

|   |      |                                                                                                                                                                                                                 |                                                         |                  |
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| - | 12   | choi.in. and (field adj (emission or emitter)) and "Jun-hee"                                                                                                                                                    | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/10/30 09:11 |
| - | 1    | ("6632114").PN.                                                                                                                                                                                                 | USPAT                                                   | 2003/10/30 09:11 |
| - | 8    | Cha.in. and (field adj (emission or emitter)) and "Seung-nam"                                                                                                                                                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/10/30 09:17 |
| - | 1    | (Cha.in. and (field adj (emission or emitter)) and "Seung-nam")<br>not (choi.in. and (field adj (emission or emitter)) and<br>"Jun-hee")                                                                        | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/10/30 09:17 |
| - | 17   | Lee.in. and (field adj (emission or emitter)) and "Hang-woo"                                                                                                                                                    | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/10/30 09:17 |
| - | 10   | (Lee.in. and (field adj (emission or emitter)) and "Hang-woo")<br>not ((Cha.in. and (field adj (emission or emitter)) and<br>"Seung-nam") or (choi.in. and (field adj (emission or emitter))<br>and "Jun-hee")) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/10/30 09:20 |
| - | 1586 | (445/24,25,50,54).CCLS.                                                                                                                                                                                         | USPAT                                                   | 2003/10/30 09:20 |
| - | 670  | (313/496,497).CCLS.                                                                                                                                                                                             | USPAT                                                   | 2003/10/30 09:42 |
| - | 2    | ((("6097138") or ("5892321"))).PN.                                                                                                                                                                              | USPAT                                                   | 2003/10/30 09:42 |
| - | 1    | ("6097138").PN.                                                                                                                                                                                                 | USPAT                                                   | 2003/10/31 06:47 |
| - | 1    | ("6455989").PN.                                                                                                                                                                                                 | USPAT                                                   | 2003/10/31 06:48 |
| - | 0    | ((("6455989").PN.) and resistor                                                                                                                                                                                 | USPAT                                                   | 2003/10/31 06:48 |
| - | 0    | ((("6097138").PN.) and resistor                                                                                                                                                                                 | USPAT                                                   | 2003/10/31 06:48 |
| - | 4057 | ((313/309,336,351,495,496,497) or (445/24,25,50,54)).CCLS.                                                                                                                                                      | USPAT                                                   | 2004/06/10 15:33 |
| - | 9    | ("4943343"   "5726524"   "5836796"   "5892321"   "5972235"  <br>"6008062"   "6097138"   "6455989"   "6464842").PN.                                                                                              | USPAT                                                   | 2004/06/10 14:44 |
| - | 0    | 6632114.URPN.                                                                                                                                                                                                   | USPAT                                                   | 2004/06/14 07:29 |
| - | 3530 | (313/310,495,346r,311).CCLS.                                                                                                                                                                                    | USPAT                                                   | 2004/06/10 15:34 |
| - | 2200 | ((313/310,495,346r,311).CCLS.) not<br>(((313/309,336,351,495,496,497) or<br>(445/24,25,50,54)).CCLS.)                                                                                                           | USPAT                                                   | 2004/06/10 15:37 |
| - | 119  | ((313/310,495,346r,311).CCLS.) not<br>(((313/309,336,351,495,496,497) or<br>(445/24,25,50,54)).CCLS.)) and (fed or (field adj emission))                                                                        | USPAT                                                   | 2004/06/10 15:37 |
| - | 0    | "10/048754"                                                                                                                                                                                                     | US-PGPUB                                                | 2004/06/14 07:31 |
| - | 10   | pdp and multiline                                                                                                                                                                                               | USPAT                                                   | 2004/06/14 07:32 |
| - | 16   | pdp and multi-line                                                                                                                                                                                              | USPAT                                                   | 2004/06/14 07:32 |